

Bembidium inæquale, S.	Periphys furvum, Mels. cat.
chaleum, D.	tetracolum, S.
Leja nigrum, S.	coxendix? S.
decipiens, D.	*planum.
*semistriatum.	Lopha oppositum, S.
Peryphus contractum, S.	

*Descriptions of North American species of Coleoptera, presumed to be undescribed.*

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From the difficulty attendant upon the study of insects in the United States, arising from the absence of standard collections, and the impossibility of knowing what has been done in Europe, the characters here given should, perhaps, be regarded as indicating species unknown to the author, rather than as absolutely new to science.

*CYMNIDIS neglecta.* Head and prothorax black, thinly marked with rufous pile; head punctured; mouth, antennæ, and feet rufous: prothorax lengthened, and much contracted behind, scabrous with numerous deep punctures, mesial line and lateral submargin depressed: elytra reddish brown, crenate-striate, interstices narrow. 8 millim. long. General appearance of *C. pilosa*, Say.

*DROMIUS apicalis.* Head black; prothorax reddish-brown, with a testaceous margin; elytra brown, with the tip, and a large irregular spot very near the base, pale testaceous: body beneath, legs, antennæ, and palpi of the latter color. Not quite 4 millim. long.

*DROMIUS geminatus.* Brown, head black; antennæ, a large oval spot near the base of the elytra, and a small circular one at the inner extremity, testaceous. 4 mill. long.

*PLOCHIONUS timidus.* Dull reddish brown above: antennæ, legs, lower surface and lateral margins of the prothorax and elytra, testaceous: elytra wide, deeply striate, interstices convex. 8 mill. long. *Var.* Base of the elytra, and a large spot upon the suture, behind the middle, obscure. *Hab.* Alabama. *P. timidus.* Hentz MS.

*LEBIA brunnea.* Fuscous, head and pronotum blackish: thorax beneath, margin of the pronotum, palpi, 3 basal articulations of the antennæ, a spot anterior to the middle, and equidistant from the suture and limb, and a smaller obsolete one at the tip of the elytra, pale testaceous.  $4\frac{1}{2}$  mill. long.

*COPTODERA fasciata.* Head and prothorax shining black, with a tinge of greenish: beneath very dark brown: tarsi and extremity of antennæ pale brown: antennæ, legs, and elytra, pale ochraceous; elytra striate, mottled with brown about the middle, and with a large spot at the inner base and tip.  $4\frac{1}{2}$  mill. long. *Dromius?* Germari, Hentz MS. Cab. Bost. Soc., No. 1480. *C. fasciata,* Cab. Le Conte.

*PASIMACHUS punctulatus.* Black, smooth, and shining, marginal groove of the elytra purple: a diagonal impressed rugose furrow from the ordinary longitudinal impressions to the outer angle of the head: elytra with longitudinal rows of slightly impressed punctures: male with a rufous brush upon the pos-

terior tibiæ. 32 mill. long. Like *P. depressus*, but distinguished by the elytral punctures, and rugose mandibulæ. Fig. 6, pl. 20, of the Atlas to the 2d ed. Règne Animal, appears to represent this species. *Hab.* Alabama. *P. punctulatus*, Hentz MS.

*CLIVINA acuducta*. Reddish brown; elytra fuscous, finely striate; striæ very minutely punctured from the base towards the middle, whence they are impunctured to the tip; 4 inconspicuous punctures upon the 3d interstitial line; margin with a row of deep approximate punctures; mesial line of the pronotum profound. 6 mill. long. *Hab.* Pa. and Ala. *C. acuducta*, Harris MS, *vide* Melsheimer.

*CLIVINA amphibia*. Rufo-testaceous; head with 2 longitudinal approximate elevated lines, and 2 obsolete ones exterior to them: pronotum with 3 obvious furrows, the lateral ones slightly converging, and abbreviated anteriorly: elytra with fine, minutely, and obsoletely crenate striæ.  $3\frac{1}{2}$  mill. long. *C. amphibia*, Hentz MS, *vide* Melsheimer.

*BADISTER notatus*. Black, head and pronotum impunctured, shining, the latter with an impressed mesial line, crossed by another short one at the anterior extremity, and a large pit at the posterior angles: elytra blackish, or reddish-brown, acutely striate, striæ scarcely crenate, 2d interstice with 2 punctures: antennæ, palpi, and legs, pale testaceous.  $4\frac{1}{2}$  mill. long. *Carabus notatus*, Melsh. Cat., No. 1184, *vide* F. E. Melsheimer.

*ANCHOMENUS depressus*. Shining black: antennæ, palpi, and tarsi, with a tinge of reddish-brown: mesial line of the pronotum impressed, with a short one crossing it anteriorly; posterior angles subacute: elytra sinuate at tip, wide, flat, with deep, finely punctured striæ, and the 3d interstice with 3 punctures. 11 mill. long. *A. depressus*, Harris MS, *vide* Melsheimer.

*ANCHOMENUS marginalis*. Pitchy black, brownish piceous beneath: antennæ more than half the entire length, base piceous, glabrous, 4th and remaining articulations pilose, and, with the feet, ferruginous: palpi rufo-testaceous: impressions of the pronotum distinct, lateral margins testaceous, and strongly reflexed: elytra finely striate, striæ impunctured: interstices flat, with the 3d 3-punctured. 10 mill. long.

*ANCHOMENUS obconicus*. Shining black, piceous beneath: antennæ light ferruginous, the 2 basal articulations, with the trophi and legs, rufo-testaceous: pronotum oblong cordate, little more than half the width of the elytra, lateral margin inconspicuous, not excurved posteriorly; mesial furrow narrow: elytra oblong-oval, a testaceous obsolete spot at tip, crenate-striate, with 3 punctures on the inner side of the 3d interstice.  $6\frac{1}{2}$  mill. long.

*AGONUM ferreum*. Greenish black, shining; beneath, pitchy black: antennæ fuscous, 3 basal joints, palpi, labrum, tibiæ, and tarsi, testaceous: femora dark chestnut: impressions of the pronotum profound: elytra black, crenate-striate to the middle, posterior half with the crenæ wanting, or obsolete; 3d interstice 3-punctured; tip obliquely truncate, scarcely sinuate. 7 mill. long.

*AGONUM ocreatum*. Black, shining, head with a slight reflexion of green: antennæ and palpi testaceous: pronotum wide, lateral margins very convex; reflexed, mesial line and posterior impressions profound: elytra deeply crenate-

striate, with an obsolete terminal corneous spot; tip sinuate: base and extreme tip of the femora piceous; tibiæ and tarsi pale corneous.  $7\frac{1}{2}$  mill. long. *Hab.* Alleghany mts., Hentz. *A. ocreatum*, Hentz MS.

*AGONUM elongatulum*. Slender, shining black, prothorax lengthened, narrowed posteriorly, with the dorsal impressions rather faint, and the lateral margin narrowly depressed: elytra dusky brown, simply striate, interstices flat, the 3d with 4 indistinct punctures; tip scarcely sinuate; antennæ with the 3 basal articulations glabrous, testaceous; remainder ferruginous, tomentose: palpi brownish: legs and epipleura yellowish testaceous. 7 mill. long.

*AGONUM maurum*. Deep shining black; pronotum rather wider than long; dorsal impressions distinct, lateral margin much depressed, a small tubercle rising from the deepest part of the depression of the posterior angles: elytra sinuate at tip, striæ acute, simple, interstices flat, the 3d with 3 faint punctures: feet, and extremity of the antennæ, pitchy black. 9 mill. long.

*OMASEUS rugicollis*. Black, beneath dark brown, or piceous: frontal impression considerably dilated, antennæ piceous, base darker, brownish pilose towards the tip: pronotum obviously transversely wrinkled, slightly contracted behind; lateral edge rather regularly arquated; mesial line distinct; posterior angles rounded; basal indentations dilated, with a somewhat prominent longitudinal swelling in the centre: elytra profoundly and obtusely striate. 17 millim. long. *Hab.* Western Penna. *O. rugicollis* D. Ziegler MS.

*AMARA splendida*. Short oval, glossy, dark green bronzed, or blackish cupreous, above; black bronzed beneath: lateral frontal impressions wide, 2 punctures at the inner margin of the eyes, distinct; antennæ fuscous, 2 basal articulations testaceous; palpi dark brown: pronotum, with the mesial line well impressed; a deep longitudinal indentation exterior to it, near the posterior margin, and a small one between it and the external margin; area of the posterior angles indistinctly punctured: elytra sinuate, finely and simply striate, interstices rather flat, posterior half (and sometimes the anterior fourth) of the submarginal one, crenulate on the internal edge: tarsi testaceous. 10 mill. long.

*AMARA anthracina*. Oval, cupreous black, impunctured; beneath, shining black: frontal lines slightly impressed; one or both punctures at the inner margin of the eyes, distinct: clypeal suture indistinct: antennæ fuscous, with 3 basal articulations, and part of the 4th, testaceous: labrum and palpi piceous, tips of the latter pale: pronotum with the basal impressions shallow, foveolæ single, frequently interrupted in the middle, numerous short obsolete striæ near the scutel, mesial line fine, anterior cross line obsolete: elytra finely striate, striæ impunctured, acute, tip sinuate: femora dark chesnut-piceous, tibiæ and tarsi reddish brown.  $9\frac{1}{2}$  mill. long.

*AMARA indistincta*. Oval, black, glossed above: frontal lines short, and slightly impressed: 2 punctures near the margin of the eyes distinct: clypeal suture indistinct: basal impressions of the prothorax small; foveolæ single and fine, mesial line fine; elytra finely striate, 5th and 6th striæ obsolete punctured.

ured, tip slightly sinuate: antennæ brownish, with the 3 basal articulations yellowish testaceous: palpi testaceous, with the middle brown: legs testaceous-6 mill. long,  $2\frac{1}{2}$  wide. Proportionally wider and more brilliant than *A. angustata*, Say, and differs in outline.

*AMARA rubrica*. Oval, reddish brown, glossy: frontal lines obsolete impressed, 2 piliferous punctures near the inner margin of the eyes, distinct: clypeal suture distinct: pronotum nearly rectangular posteriorly, and with the basal indentations shallow, and sparsely punctured; foveæ single, somewhat obsolete; mesial line fine, crossed by numerous short rugæ; elytra finely punctate-striate, interstices somewhat convex, tip sinuate. 8 mill. long, 3 wide.

*SELENOPHORUS parallelus*. Lengthened oval, black, shining: antennæ, palpi, tibiæ and tarsi, rufous; femora darker, or chesnut: head glabrous: posterior impressions of the pronotum slight, and minutely rugose: elytra slightly sinuate, striate, striæ alternately obsolete punctured, a row of about 6 punctures upon the inner edge of the 3d interstice. 8 mill. long. Larger, and narrower in comparison, than *S. ellipticus*, with the sides of the elytra more nearly parallel, and the abbreviated striæ near the scutel, more distinct.

*SELENOPHORUS maurus*. Lengthened, shining black: head glabrous; antennæ and palpi rufous: pronotum transversely rugulose, posterior impressions obtuse, minutely punctured, and rugose, mesial line fine: elytra slightly sinuate at tip, finely striate, interstices flattened; 2d, 5th, and 7th striæ, obviously punctured: legs dark chesnut. 8 mill. long. Wider than the preceding.

*OPHONUS mutabilis*. Shining black, or reddish brown; glabrous; feet and beneath, rufous: antennæ and palpi, yellowish rufous, head with a round obtuse indentation upon each side, between the eyes: pronotum narrowed behind, mesial line fine, transverse one distinct; posterior angles square, basal indentations small, obtuse, minutely punctured, and rugose; foveæ single, short: elytra profoundly striate, interstices convex, tip slightly sinuate.  $9\frac{1}{2}$  mill. long. Var. B. Head and prothorax reddish brown; beneath and feet, testaceous.

*OPHONUS opacipennis*. Oval, glossy; chesnut brown beneath, and upon the middle and posterior thighs: antennæ, palpi, margin of the labrum, intermediate and posterior tibiæ and tarsi, and anterior legs, rufous: head with a small round indentation upon each side, between the antennæ: pronotum much wider than long, transversely rugulose: with the basal impressions rugose, shallow, each with a very slight fossula; dorsal lines faint: elytra finely and simply striate, interstices flat, with a puncture upon the third one; tip slightly sinuate: surface sericeous. 9 mill. long.

*HARPALUS testaceus*. Oval, testaceous; feet and beneath paler, with a yellowish tinge; eyes black; elytra fuscous, slightly iridescent with bluish; sides of the head with a large indentation between the antennæ: pronotum with the lateral margins and areæ of the posterior angles depressed; basal indentations obtuse and impunctured; dorsal impressions obsolete, scutel small: elytra finely and simply striate; tip slightly sinuate. 9 mill. long.

*HARPALUS comis*. Shining black above, and upon the under surface of



head and prothorax; chestnut brown beneath; antennæ, palpi, and legs yellow-testaceous; head with a small round indentation at the inner base of the antennæ: pronotum widest before the middle, contracted behind, with the angles slightly obtuse; basal impressions shallow, somewhat rugulose; dorsal impressions distinct; lateral margin testaceous: elytra simply striate, slightly sinuate, margin rufo-piceous towards the tip; interstices rather flat, third with a faint puncture. 8 mill. long, 3 wide.

According to Dr. F. E. Melsheimer, this is the *Carabus autumnalis* of Knoch, in his father's catalogue, No. 1153, but not the *autumnalis* of Say.

*HARPALUS melanopus*. Glossy black; frontal impressions distinct; antennæ, fuscous; basal articulation, tarsi, and hairs of the legs, rufous: labrum piceous with a few rufous hairs; palpi pitchy-brown, tip testaceous: pronotum as wide posteriorly as the base of the elytra, and not excurved; sides slightly rounded and depressed; basal impressions large, with the area of the posterior angle densely and rugosely punctured; mesial line narrow and entire, transverse ones obsolete: elytra sinuate, simply and acutely striate; interstices convex, the third with a puncture. 13 mill. long.

*HARPALUS paradoxus*. Black, glossy: antennæ ferruginous, tomentose, two basal articulations glabrous, and with the termination of the palpi, rufous: feet brownish piceous: indentations between the antennæ large and profound, a distinct transverse impressed frontal line: base of the pronotum contracted, narrower than the base of the elytra, and much punctured, particularly in and near the large basal indentations: mesial line distinct: elytra sinuate: deeply and acutely striate; interstices slightly flattened at base, and becoming convex towards the tip. 15 mill. long. Probably an *Anisodactylus* with the preceding.

*STENOLOPHUS badipennis*. Black, glossy; elytra testaceous brown, finely and simply striate, interstices flat, third one with a puncture: head with a double indentation and impressed puncture upon each side near the antennæ, which are fuscous, with the tip and two basal articulations testaceous, with a black spot on the posterior side of the first one; palpi testaceous, basal half of the terminal articulation brownish: pronotum with the extreme edge testaceous, basal indentations obtuse, and sparsely punctured; dorsal impressions almost obsolete: femora very dark brown, discolored with rufous; tibiæ and tarsi testaceous. 7 mill. long. *Carabus opacus*, Mels. Cat. No. 1162, *vide* Dr. Melsheimer.

*ACUPALPUS rotundicollis*. Ovate oblong, shining: head deep black, frontal indentations small, not distinct; antennæ pale fuscous, two basal articulations, palpi and feet testaceous: prothorax rufo-testaceous, sides strongly rounded, truncated posteriorly and deeply emarginate before, with the anterior angles subacute, and posterior ones obtuse; basal indentations almost obsolete, mesial line fine and entire: elytra oblong, dark chestnut, extreme margin and epipleura rufo-testaceous; finely striate, rudimental striæ indistinct; tip obtusely rounded: venter blackish. 4 mill. long.

*ACUPALPUS lugubris*. Black; frontal impressions distinct; antennæ pale, fuscous, or ochraceous, two first articulations, palpi, and feet, testaceous: pronotum hardly as wide as the elytra, sides regularly rounded, base truncate, pos-

terior angles obtuse, anterior ones subacute, basal indentations shallow, dorsal lines faint, lateral edge obsoletely testaceous; elytra finely striate, striæ not profound; tip obtusely rounded, and with the lateral margin, obsoletely testaceous  $4\frac{1}{2}$  mill. long.

*NOTAPHUS posticum*. Dull brassy green above, black beneath; elytra with a tinge of brown, punctate-striate, obsoletely, near the tip, posterior half maculate with testaceous; palpi testaceous, with the ultimate joint brown: antennæ and legs testaceous, two basal articulations of the former paler.  $4\frac{1}{2}$  mill. long.

*LEJA semistriata*. Head and prothorax black-bronzed, shining; antennæ, ochraceous, two basal articulations, palpi and legs, yellow-testaceous; elytra very obscure, reddish brown, punctate-striate, striæ and punctures obsolete from near the middle to the tip: beneath blackish. 4 mill long.

*PERYPHUS planus*. Rather flat, black glossy, beneath reddish brown: labrum piceous, palpi testaceous, tip fuscous; antennæ fuscous, two basal articulations testaceous: pronotum with the basal indentations obtuse, slightly scabrous, mesial line impressed with a faint round impression, each side, in the middle: elytra with a bluish reflection, punctate-striate, striæ fading on the sides and tip, sides parallel: feet obscure rufous, middle of the femora sometimes tinged with brown. 5 mill. long.

*ATHOUS pyrrhicus*. Testaceous, densely covered with pale greyish fuscous pile, and numerous impressed punctures: pronotum large, inflated, widest in the middle, where it exceeds the base of the elytra in width, sides projecting, not rectilinear, posterior angles acute and short: elytra striate. 21 mill. long Hab. Alabama, Hentz. Very like *A. Pyrrhus*, Say, but distinguished by the swelled prothorax, and shorter antennæ. *A. longus* of Dejean's Catalogue is probably one of these species.

*CHARACTES duplicatus*. Black, pronotum widely margined with fulvous: elytra fulvous, with the extremity, and a large oval spot near the base, and extending from the suture to near the outer margin, blackish. 13 mill. long. *Dyctiopt. duplicatus*, Hentz MS. resembles *reticulatus*, Fabr., but the anterior spot does not extend across the elytra.

*MYCTERUS scaber*. Black; above olivaceous tomentose, and scabrous with numerous well impressed punctures; front with an elevated ridge from the eyes to the inner base of the antennæ; antennæ (darker beyond the middle), mouth, and legs testaceous; palpi and tarsi light brown: pronotum with the mesial line obsolete in the middle, a deep puncture at the posterior edge, towards the outer margin. 7 mill. long. Hab. Carolina, on flowers in May and June.

*LYTTA Germari*. Head and antennæ black, basal articulations of the latter brownish, front and prothorax yellow, the latter with a small round black spot on each side of the centre: elytra yellow, 3-fasciate with dark brown, having a narrow sutural band, and a very wide one narrowed anteriorly, and entirely surrounded by yellow, a small wedge-shaped band at the inner base: meso- and metasternum black; femora and tibiæ yellow, tipped with black, tarsi blackish. 13 mill long. Hab. Carolina in July. *Cantharis Germari*, Hentz MS. Boston collection, No. 443.



*HOPLIA modesta*. Short and wide, ground color black, olivaceous tomentose above; greenish irised silvery beneath; legs black, with a tinge of testaceous, hair, and spines, of the latter color; thighs with a few short silvery hairs. 7 mill. long, nearly 4 wide. Allied to *H. Graminicola* of Europe, and probably the *modesta* of Dejean's Catalogue. Rare in Pennsylvania.

*CHELENIUS Lecontei*. Wide, surface minutely punctate-granulate, bright green above, black beneath; legs and three basal artic. of antennæ testaceous; tarsi and trophi piceous; head small, front and clypeus not granulate: pronotum very wide, lateral margins of the posterior half nearly parallel, impressions faint, mesial line abbreviated; elytra punctate-striate, interstices flat. 18 mill. long. *C. Lecontei*, Dej. Cat.

*COPROBIUS chalcites*. Minutely granulate, shining, reddish brown above, beneath and legs black; head with a wide shallow depression at the upper posterior part; posterior half of the dorsal impressed line apparent and very narrow. 20 mill. long. Larger than *C. volvens*, which it closely resembles, and is probably the *chalcites* of Dej. Cat.

*APHODIUS lutulentus*. Black, somewhat glossy, minutely punctate, elytra obscurely striate, tarsi testaceous. 7 mill. long, 3 lat. Scarab. *lutulentus*, Knoch, in Mels. Cat. Distinct from *oblongus*, Say, and Germar's name *emarginatus* is preapplied. Boston collection No. 743.

*PHILEURUS castaneus*. Blackish chesnut above, reddish beneath; head excavated above, with a tubercle on each side: pronotum minutely punctured, dorsal furrow large, coarsely punctured, with a tubercle anteriorly: elytra coarsely punctate-striate, each alternate interstice being smaller; the rows of punctures have the appearance of being in pairs. 20 mill. long. Hab. Alabama. *P. castaneus*? Dej. Cat.

*BOTHRIDERES geminatus*. Dull testaceous, sometimes dark-brown above: head scabrous: pronotum with 3 longitudinal ridges upon each side, with a short one interposed between the inner and second one anteriorly, inner ones sinuated, leaving an obcordate depression between them posteriorly, in which are two posterior and one anterior approximate elevations; elytra with a sutural and 4 lateral ridges, having a stria upon each side of the base, 5-6 mill. long. *B. geminatus*, Dej. Cat.

*ICHTHIDIUM murinum*. Slender, dull reddish brown, rough with numerous deeply impressed punctures, and hirsute with pale ochraceous, which forms small scattered spots upon the elytra; mesial line of the vertex and pronotum distinctly impressed. 10 mill. long  $2\frac{1}{2}$  lat. *I. murinum*, Dej. Cat.

*ANTHICUS bifasciatus*. Hirsute, dull testaceous, head brown; elytra minutely punctate; tip, and a transverse central band, interrupted towards the suture and directed backwards, blackish. 3 mill. long. Hab. Penna. Allied to *basillaris*, Say.

*ANTHICUS 4-guttatus*. Black, punctate-scabrous, hirsute with yellowish; elytra with a large round yellowish spot near the base, and another behind the middle: trophi and tarsi testaceous, antennæ darker.  $4\frac{1}{2}$  mill. long. Hab. Penna.